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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/558,446	05/31/2007	Catherine A. L. Maris	L0009/US	4655
	7590 06/24/200 YMERS U.S. LLC	EXAMINER		
16400 Park Roy		MULLIS, JEFFREY C		
HOUSTON, TX 77084			ART UNIT	PAPER NUMBER
			1796	
			NOTIFICATION DATE	DELIVERY MODE
			06/24/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

kratonip@kraton.com

		Applic	ation No.	Applicant(s)	Applicant(s)		
		10/558	3,446	MARIS ET AL.			
Office Action Summary			ner	Art Unit			
		Jeffrey	C. Mullis	1796			
Period fo	The MAILING DATE of this commun	nication appears on	the cover sheet	with the correspondence ac	ddress		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
	Responsive to communication(s) file	ed on 19 October 2	2007				
2a)□	Responsive to communication(s) filed on <u>19 October 2007</u> . This action is FINAL . 2b)⊠ This action is non-final.						
3)□		<i>′</i> —		atters prosecution as to the	e merits is		
٠,١	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)⊠	Claim(s) <u>8-27</u> is/are pending in the	application.					
•	4a) Of the above claim(s) is/are withdrawn from consideration.						
	Claim(s) is/are allowed.						
· · · · · · · · · · · · · · · · · · ·	Claim(s) <u>8-27</u> is/are rejected.						
· ·	Claim(s) is/are objected to.						
•	Claim(s) are subject to restri	ction and/or electio	n requirement.				
Applicati	on Papers						
	The specification is objected to by th	ne Evaminer					
•	The drawing(s) filed on is/are		· b)□ objected t	o by the Examiner			
ات/0	- ' '	•	-	-			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:							
(۵	_	documents have h	neen received				
	2. Certified copies of the priority documents have been received in Application No3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
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Attachmen	` '		4) 🗀 1	v Cummony (DTO 440)			
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Paper No(s)/Mail Date							
3) \overline Inform	3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application						
Paper No(s)/Mail Date <u>10-19-07; 11-28-05</u> . 6) Other:							

Claims 8-27 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is not clear if the "one or more fillers and filler deactivators" may encompass for instance only two fillers or encompass only two deactivators in that the claims can be interpreted as requiring both fillers or activators or only one.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4 and 6 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Modic (US 5,969,034).

Patentees disclose a composition for overmolding onto a polar substrate such as that for a tool handle comprising a hydrogenated styrene diene styrene block copolymer and a grafted EPDM (abstract, column 4, lines 12-20). Note Tables 1-3 for use of Kraton G polymers. Note also that the instant specification discloses that Kraton G polymers may be used (paragraph 43 of applicants published specification) and therefore applicants SBC characteristics reasonably appear to be inherent in those

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SBC's of the reference which also uses Kraton G polymers. Note that Table 2 discloses mixtures of styrenic block copolymers wherein one of the styrenic block copolymers is SEBS grafted with 1.7 maleic anhydride as in applicants functionalized polyolefin.

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When the reference discloses all the limitations of a claim except a property or function, and the Examiner cannot determine whether or not the reference inherently possesses properties which anticipate or render obvious the claimed invention, basis exists for shifting the burden of proof to applicant. Note <u>In re Fitzgerald et al.</u> 619 F. 2d 67, 70, 205 USPQ 594, 596, (CCPA 1980). See MPEP § 2112-2112.02.

Claims 8-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Modic (US 5,969,034) in view of De Keyzer et al. (US 6,465,557) and Prost (US 4,283,809).

Arguably, applicants MFR's and 1,2 vinyl content is not inherent in the primary reference and nylon substrates are not disclosed. Note however that low viscosity during processing is desirable at column 2, lines 2-10.

De Keyzer discloses that viscosity of SBC's drop with rising vinyl content and lowest viscosity occurs for vinyl contents of 70-80% at column 2, lines 57-67.

Prost discloses that suitable materials for tool handles include nylon at column 2, lines 45-55.

It would have been obvious to a practitioner having an ordinary skill in the art at the time of the invention to use nylon for the tool handle of the primary reference (which is overmolded in the primary reference) motivated by the need for a specific material suitable for a tool handle as used by the primary reference and by Prost's disclosure that nylon is suitable absent any showing of surprising or unexpected results.

To use the vinyl content of De Keyzer in the block copolymers of Modic would have been obvious to a practitioner having an ordinary skill in the art at the time of the invention in order to beneficially reduce viscosity (and which varies inversely with melt flow) absent any showing of surprising or unexpected results.

Claims 8-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shibata et al. (US 5,191,024) in view of Huff (US 5,160,474).

Patentees disclose a composition which may containing a hydrogenated ABA styrenic block copolymer in which the diene block is more than 60% vinyl functional (abstract). The block copolymers may include mixtures of modified (as in applicants components "b") and unmodified block copolymers at column 2, lines 26-35. The MFR's encompass those of the instant claims at column 4, lines 11-17. Grafted ethylene propylene rubber may be added at column 13, lines 43-45 in an amount of 0.1-100 parts by weight based on 100 parts SBC at column 13, lines 25-30. The material has especially good properties for automotive parts at column 42, lines 1-5.

Overmolding on polar substrates such as polyamide is not disclosed by the primary reference.

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Huff discloses overmolding of an elastomer onto a nylon automotive radiator at column 1, lines 5-20.

It would have been obvious to a practitioner having an ordinary skill in the art at the time of the invention to overmold the material of the primary reference onto a nylon automotive as taught by the secondary reference, motivated by the desire of the primary reference to create automotive parts from the materials disclosed and by the disclosure of the secondary reference of details for accomplishing this goal absent any showing of surprising or unexpected results.

Claims 8-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakashima et al. (US 6,576,691)

Patentees disclose a molding resin containing olefin polymers and conjugated diene polymers (abstract) in which the conjugated diene polymers may be ABA block copolymers having applicants vinyl content (Table 1 in column 10). The olefin polymers may be modified or unmodified and have a MFR of up to 100 g/10 min at column 6, lines 26- column 7 line 15. Note claim 5 of the patent for addition of aramide fibers and as the fibers would be molded in the resin, they can be viewed as overmolded.

There are no actual examples in which all of applicants materials are present in combination. However it would have been obvious to a practitioner having an ordinary skill in the art at the time of the invention to arrive at applicants invention by selecting from the various disclosures of the reference in the expectation of adequate results absent any showing or surprising or unexpected results.

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Ueda et al, cited of interest discloses that YUMEX 1001 has applicants grafting level at paragraph 91 while Kashiwabara (US 2007/0104887) discloses that YUMEX has a molecular weight of 40,000 at paragraph 76..

Any inquiry concerning this communication should be directed to Jeffrey C. Mullis M-F, 9-5 pm at telephone number 571 272 1075.

Jeffrey C. Mullis Primary Examiner Art Unit 1796

JCM

6-14-09

/Jeffrey C. Mullis/

Primary Examiner, Art Unit 1796